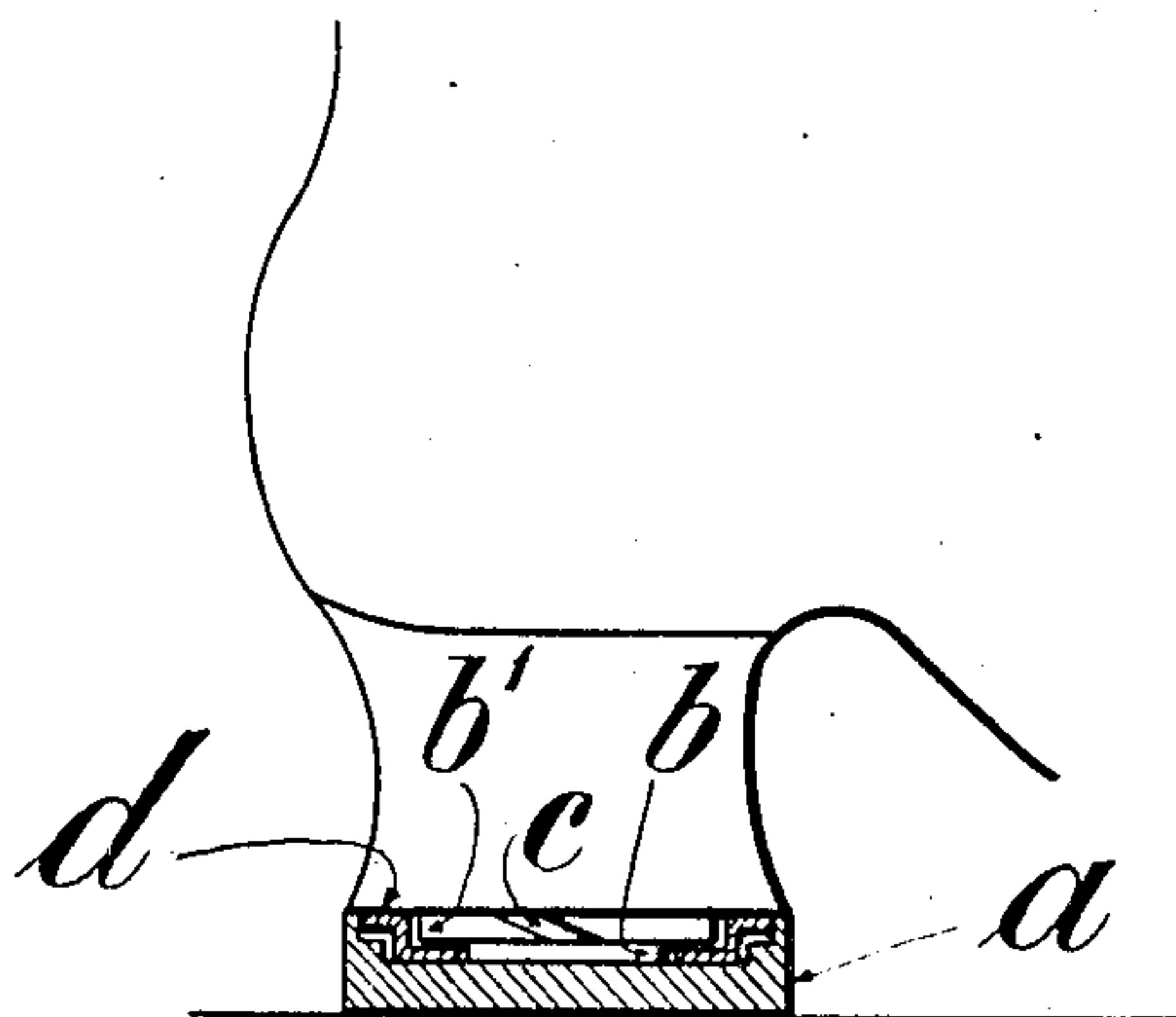


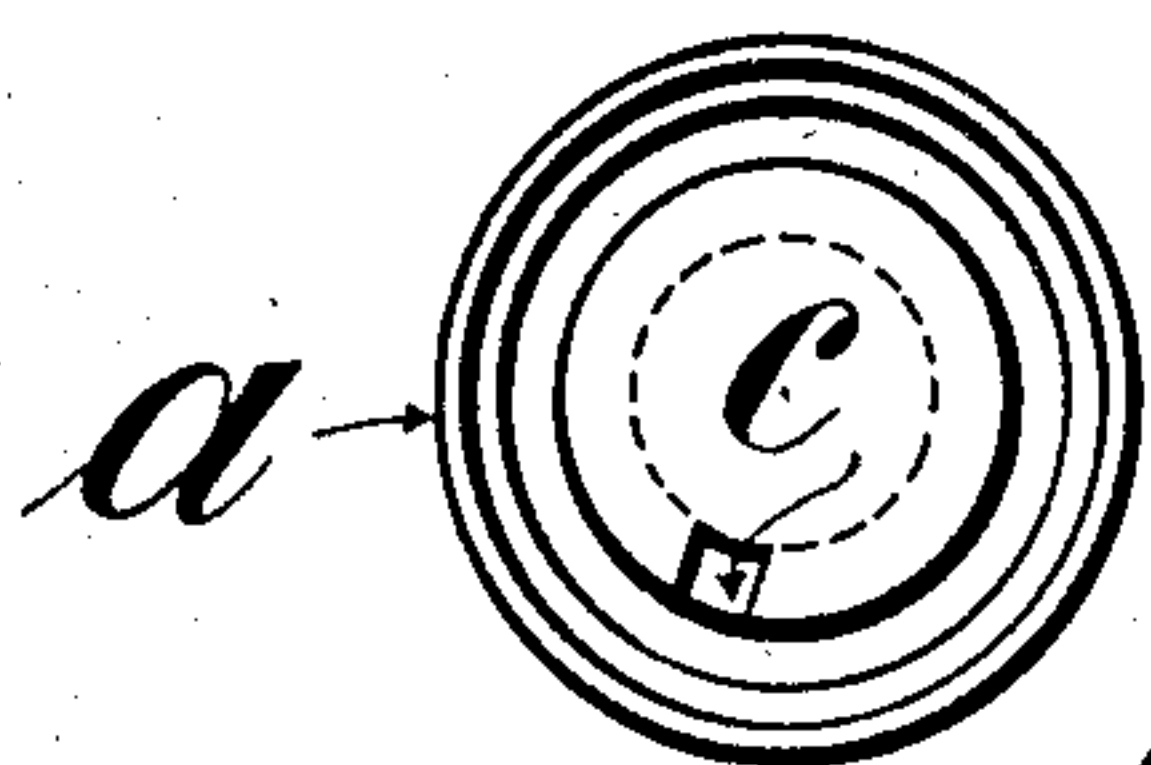
No. 892,884.

PATENTED JULY 7, 1908.

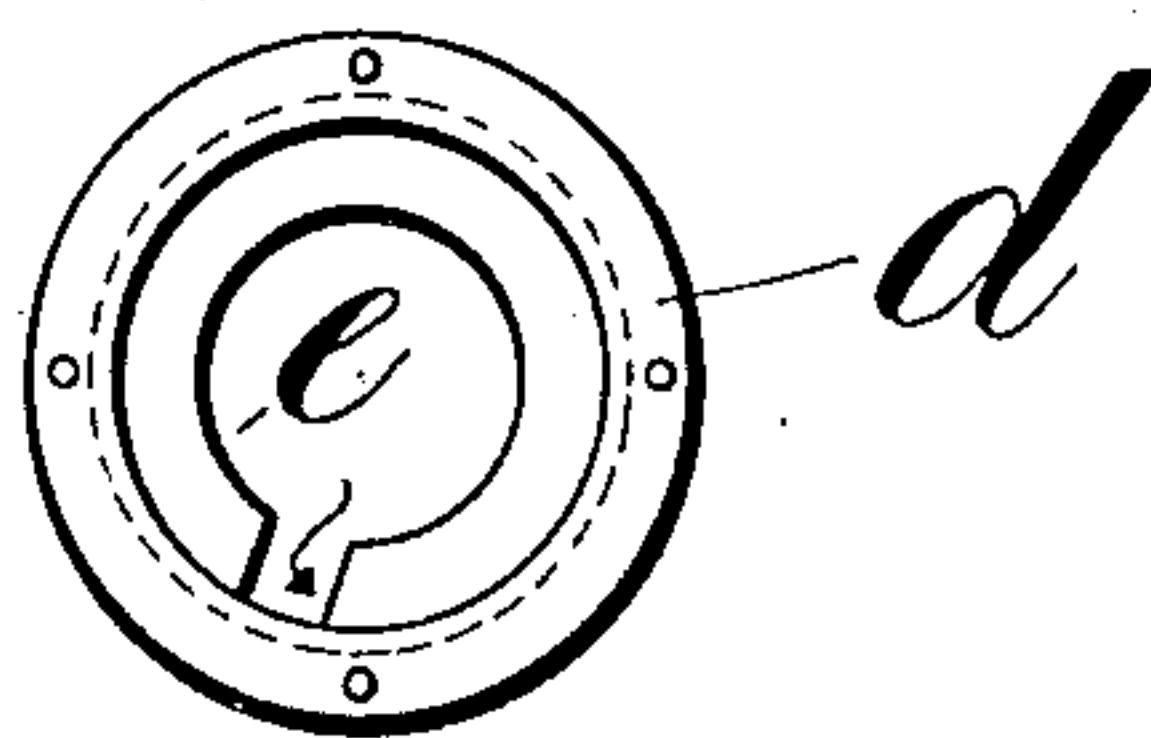
W. PLOWRIGHT.  
MEANS FOR ATTACHING PADS TO BOOTS AND SHOES.  
APPLICATION FILED MAR. 2, 1908.



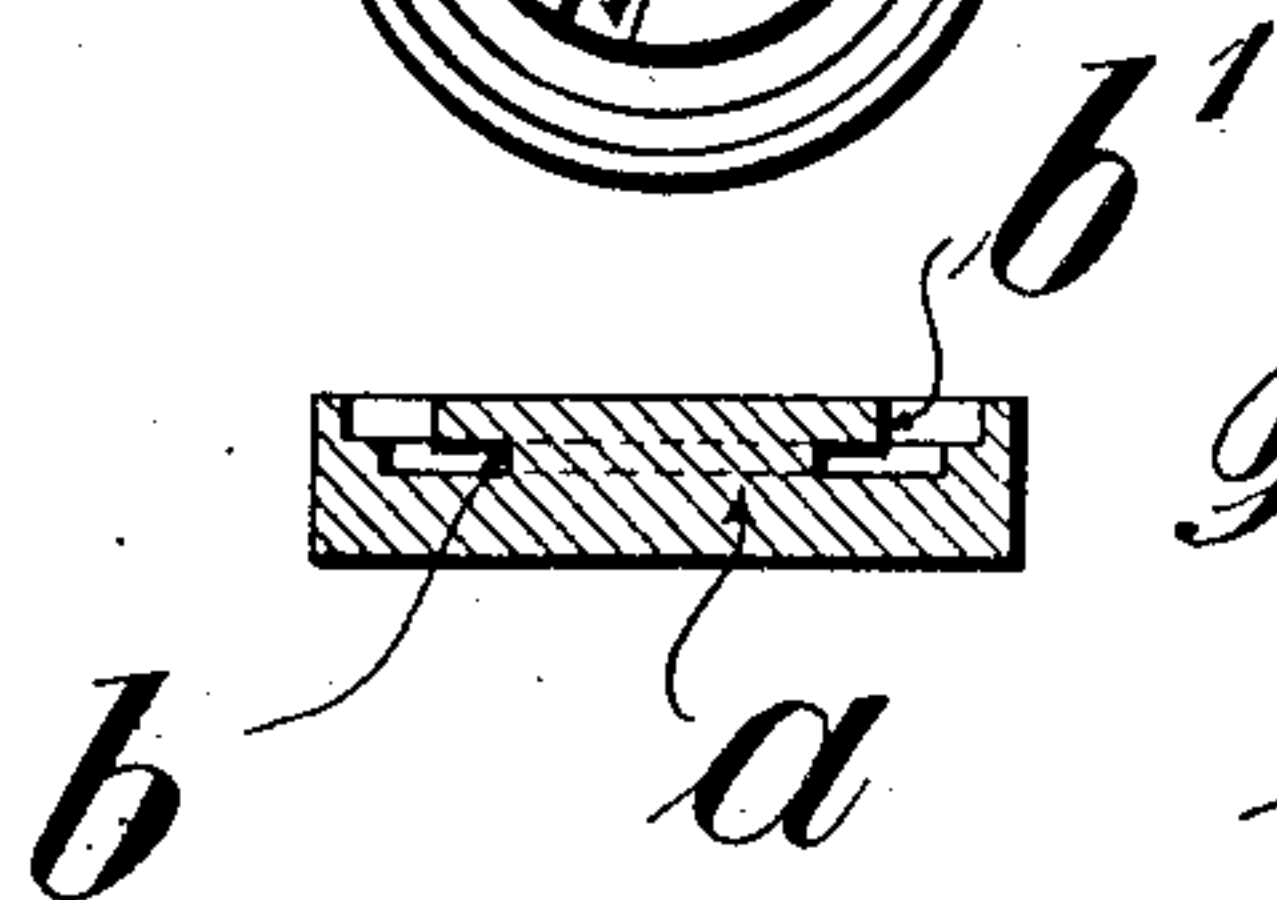
*Fig. 1.*



*Fig. 2.*



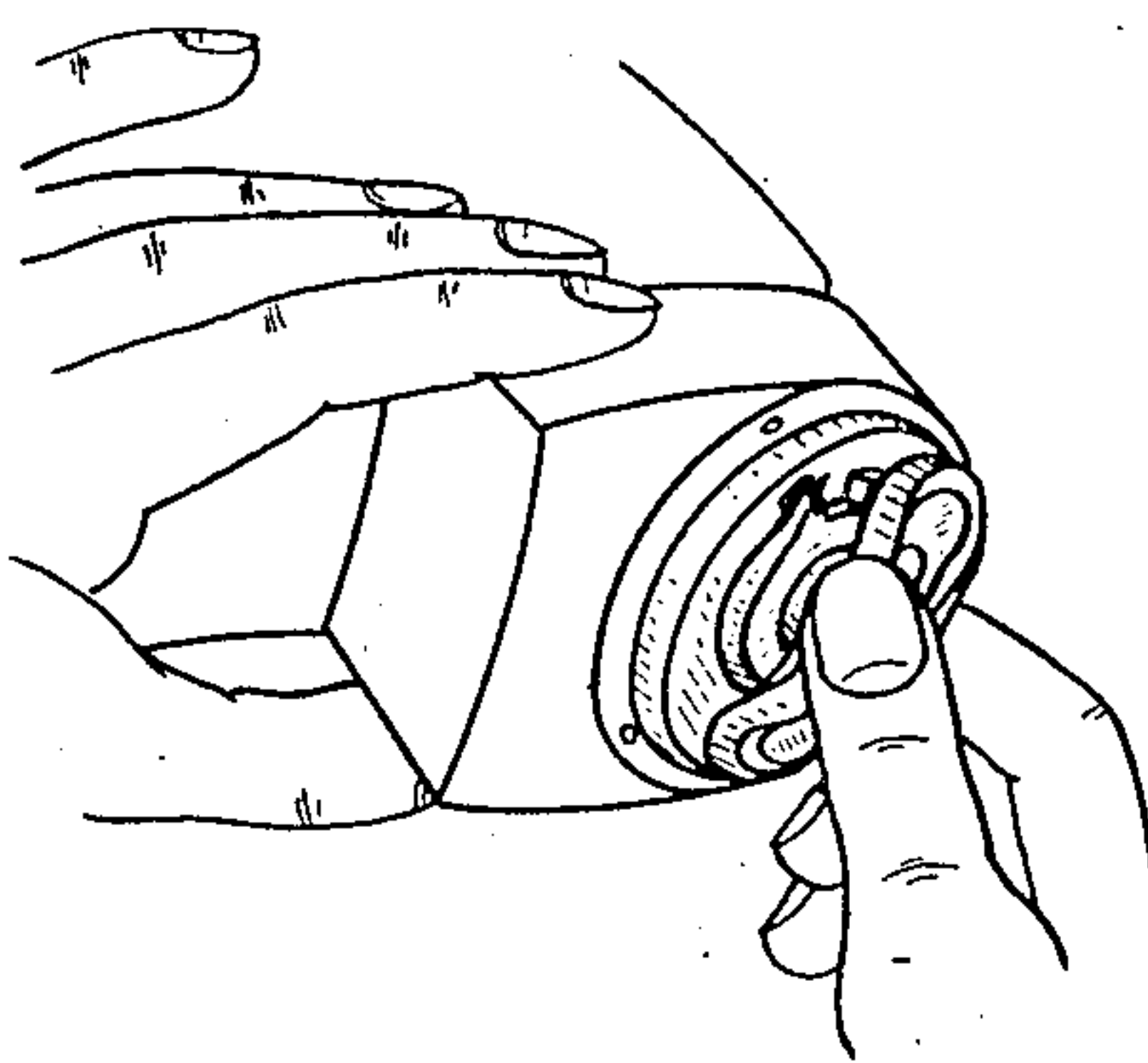
*Fig. 4.*



*Fig. 3.*



*Fig. 6.*



*Fig. 5.*

Witnesses :-  
T. H. Bailey.  
J. J. Meredith.

Inventor :-  
William Plowright  
By his Attorney :- Walter L. Lunn

# UNITED STATES PATENT OFFICE.

WILLIAM PLOWRIGHT, OF MANCHESTER, ENGLAND.

MEANS FOR ATTACHING PADS TO BOOTS AND SHOES.

No. 892,884.

Specification of Letters Patent.

Patented July 7, 1908.

Application filed March 2, 1908. Serial No. 418,905.

*To all whom it may concern:*

Be it known that I, WILLIAM PLOWRIGHT, a subject of the King of Great Britain and Ireland, and resident of Manchester, England, have invented certain new and useful Improvements in or Relating to Means for Attaching Pads to Boots and Shoes, of which the following is a specification.

Elastic pads as worn with boots and shoes are usually attached by a screw and in attaching them a screw-driver is necessary. Owing to the screw wearing away with the pad it is liable to loose its hold on the pad before the pad is fully worn away as well as become so worn as to be difficult to remove when requiring to fix a new pad.

This invention has for its object to dispense with the screw and to provide improved facilities whereby the pad may be applied without tools of any kind, and when so applied will allow of being fully worn away without risk of detachment.

According to the invention, I provide the boot or shoe with a fixed metal plate having a central orifice and its inner edge forming a lip. In such lip is a notch or recess. I also provide the pad with a flanged stud made integral with the pad and in the flange of the stud is a notch or recess similar to that in the plate.

By causing the flange of the stud on the pad to engage the lip of the plate by means of the notches, and then rotating the pad, the flange passes, by degrees, behind the lip of the plate, and eventually becomes locked by the plate in the space or cavity between the lip and the boot or shoe. To produce the necessary cavity for the flange, the plate will either be dished or turned upwards at its outer edge, or packed with a washer, or the first layer of leather of the boot or shoe will be formed with a recess or orifice.

Upon the accompanying drawing, Figure 1 illustrates a lady's shoe heel with the invention (shown in section) applied thereto. Fig. 2 illustrates a plan of the pad. Fig. 3 illustrates a cross section. Fig. 4 illustrates a plan of the device used with the pad and permanently fixed to the heel. Fig. 5 illustrates perspective the manner in which the pad is applied to the heel. Fig. 6 illustrates a modification.

In all the views *a* is the pad, *b* the stud

with flange *b'* formed integral with the pad, and *c* the notch in the flange.

*d* is the plate secured to the boot or shoe and formed with a notch *e* in its inner edge. The plate is secured to the boot or shoe by sprigs or nails passing through its outer flange. The notches *c* and *e* are preferably of the same size and shape. There may be two or more notches in the plate and flange, but one will usually serve.

In applying the pad the user grips and presses back the outer edge in order to see the position of the notch *c*, see Fig. 5. The operator then causes one side of the notch *c* to take under the opposite side of the notch *e* in the plate *d*. The engagement of the flange and lip being thus started, the further rotation of the pad causes the flange to gradually pass behind the lip of the plate until the other edge of the notch *c* passes below the edge of the notch *e*, when the whole of the flange lies behind the plate and is locked in the cavity between the plate and the heel. When so held to the heel the pad is free to be rotated to any position and in all positions it is secure against detachment with ordinary wear. By again gripping and pressing back the edge of the pad and springing the edge of the notch *c* in the flange *b'* over the side of the notch *e* and then rotating the flange, the pad may be readily detached from the plate, thus enabling a partially worn pad to be readily replaced by a new pad.

To facilitate the starting of the stud flange when engaging the lip of the plate, the sides of the notch in the flange are beveled, see Fig. 1.

Instead of the beveled sides of the notch in the pad stud flange being parallel with each other they may be arranged at right angles to each other as shown in Fig. 6, this form of the notch affording the advantage of enabling the pad to be "screwed" into the plate in either direction and making it incapable of "screwing" out in wear.

While chiefly for use in connection with the rotary heel pads of boots and shoes, the invention may be applied to or used with any other form of pad for boots and shoes.

What I claim is:—

1. An elastic pad for boots and shoes provided with an integral flanged stud, the flange lying at right angles to the stud and parallel with the plane of the wearing surface of the



pad, and said flange having in its edges a three-sided notch, each of the faces of the two opposite sides of which lies in a plane diagonal to the plane of the flange, substantially as set forth.

5 2. An elastic pad for boots and shoes provided with an integral flanged stud, the flange lying at right angles to the stud and parallel with the plane of the wearing surface of the  
10 pad, and said flange having in its edge a three-sided notch, each of the faces of the two opposite sides of which lies in a plane diagonal to the plane of the flange, in combination with a thin metal plate having a

central orifice slightly less in diameter than 15 the flange of the pad but slightly larger in diameter than the stud, and the inner edge of such plate having a three-sided, right-angled notch with which when rotated the pad-stud flange may engage by one of the 20 edges of its notch and pass behind the plate, substantially as herein set forth.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

WILLIAM PLOWRIGHT.

Witnesses:

F. C. PENNINGTON,  
P. D. BAILEY.